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P.003/005 F-512

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE Re: Appeal to the Board of Patent Appeals and Interferences

re <u>PATENT APPLICATION</u> of Grentor(s): Mills		Group /	Group Art Unit: 1754		
Appln. No.: 09/009,455		Examin	er: Langel for	Secret Commi	ttee
Filing Date: 1/20/1998					
Title: HYDRIDE FUEL AND EXPLOSIVE					
Sir:		Januar	y 7, 2002		
NOTICE OF APPEAL: Applicant hereby applicant the decision (not Advisory Action) dates of the Examiner twice/finally rejecting claims	d	nt Appeals and	Interferences		
2 BRIEF on appeal in this application attached	d <u>in triplicate</u> .				
3 An <u>ORAL HEARING</u> is respectfully request <u>unextendable</u>).	ed under Rule 194 (due tw	o months after E	Examiner's Answe	·r— ·	
4 Reply Brief is attached in triplicate (due two	months after Examiner's A	nswer – <u>unexte</u>	ndable).		
5 X "Small entity"	herewith. x previously.				
6 FEE CALCULATION:			Large/Small Entity		
If box 1 above is X'd, see box 12 below first and decide	e:	enter	\$	\$160	
If box 2 above is X'd, see box 12 below first and decide	e:	enter	\$	\$	
If box 3 above is X'd, see box 12 below first and decide	e;	enter	\$	\$	
If box 4 above is X'd,	****	enter nothing	- 0 - (no fee)		
7. Original due date: Petition Requested and Fees	Paid In Accompanying F	ee Transmittal	l		
Petition is hereby made to extend the original due the date this response is filed for which the requisite fe	date to cover (1 months) ee is attached (2 months) (3 months) (4 months) (5 months)	UNCOUNTER			
9, Enter any previous extension fee paid [] previousl 7); [X] with concurrently filed amendment	ly since above <u>original</u> due	date (item	-		
10. Subtr	Subtract line 9 from line 8 and enter: Total Extension Fee			+160	
11.		TOTAL FE	E ATTACHED =	\$160	
12. Fee NOT required if/since paid in prior app did not render a decision on the merits.	eal in which the Board of P	atent Appeals a	and Interferences		
CHARGE STATEMENT: The Commissioner is hereby authorize to be filed, or which should have been filed herewith or concerning tow or hereafter relative to this application and the resulting Official purpose a duplicate copy of this sheet is attached. This CHARGE STATEMENT Denison & Selter, PLLC	any paper filed hereafter, and wh al document under Rule 20, or c	ich may be require redit any overpayn charge of the <u>issu</u>	d under Rules 16-18 (nent, to our Account/0 <u>e fee</u> until/unless ands Att::	missing or insufficient for Order Nos. 06-01)5/ sae feetrausmittal form	for which
Customer No.: 20736			////Reg. N Tel: (20	r S. Melcher lo. 35,950 02) 261-1045 202) 887-0336	

Page 1 of 2 Filing Receipt for Documents Filed in U.S. Patent and Trademark Office Inventor: Mills Date: January 7, 2002 U.S. Serial No.: 09/009.455

Enclosed Items:

Response to final Office Action- 90 pages Appendix to Response – 168 pages

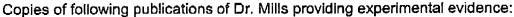
Petition for Three Months Extension

Notice of Appeal

Rule 132 Declaration of Dr. Mills

Two (2) Information Disclosure Statements

Check: \$580



- 1. H. Conrads, R. Mills, Th. Wrubel, "Emission in the Deep Vacuum Ultraviolet from an Incandescently Driven Plasma in a Porassium Carbonate Cell", Plasma Sources Science and Technology, submitted.
- 2. R. L. Mills, P. Ray, "Stationary Inverted Lyman Population Formed from Incandescently Heated Hydrogen Gas with Certain Catalysts", Chem. Phys. Letts., submitted.
- 3. R. L. Mills, B. Dhandapani, J. He, "Synthesis and Characterization of a Highly Stable Amorphous Silicon Hydride", Int. J. Hydrogen Energy, submitted.
- 4. R. L. Mills, A. Voigt, B. Dhandapani, J. He, "Synthesis and Characterization of Lithium Chloro Hydride", Int. J. Hydrogen Energy, submitted.
- 5. R. L. Mills, P. Ray, "Substantial Changes in the Characteristics of a Microwave Plasma Due to Combining Argon and Hydrogen", New Journal of Physics, submitted.
- 7. R. L. Mills, P. Ray, "High Resolution Spectroscopic Observation of the Bound-Free Hyperfine Levels of a Novel Hydride Ion Corresponding to a Fractional Rydberg State of Atomic Hydrogen", Int. J. Hydrogen Energy, in press.
- 8. R. L. Mills, E. Dayalan, "Novel Alkali and Alkaline Earth Hydrides for High Voltage and High Energy Density Batteries", Proceedings of the 17th Annual Battery Conference on Applications and Advances, California State University, Long Beach, CA, (January 15-18, 2002), in press.
- 9. R. Mayo, R. Mills, M. Nansteel, "On the Potential of Direct and MHD Conversion of Power from a Novel Plasma Source to Electricity for Microdistributed Power Applications", IEEE Transactions on Plasma Science, submitted.
- 10. R. Mills, P. Ray, J. Dong, M. Nansteel, W. Good, P. Jansson, B. Dhandapani, J. He, "Excessive Balmer \alpha Line Broadening, Power Balance, and Novel Hydride Ion Product of Plasma Formed from Incandescently Heated Hydrogen Gas with Certain Catalysts", Int. J. Hydrogen Energy, submitted.
- 11. R. Mills, E. Dayalan, P. Ray, B. Dhandapani, J. He, "Highly Stable Novel Inorganic Hydrides from Aqueous Electrolysis and Plasma Electrolysis", Japanese Journal of Applied Physics, submitted.
- 12. R. L. Mills, P. Ray, B. Dhandapani, J. He, "Comparison of Excessive Balmer a Line Broadening of Glow Discharge and Microwave Hydrogen Plasmas with Certain Catalysts", Chem. Phys., submitted.
- 13. R. L. Mills, P. Ray, B. Dhandapani, J. He, "Spectroscopic Identification of Fractional Rydberg States of Atomic Hydrogen", J. of Phys. Chem. (leπer), submitted.
- 14. R. L. Mills, P. Ray, B. Dhandapani, M. Nansteel, X. Chen, J. He, "New Power Source from Fractional Rydberg States of Atomic Hydrogen", Chem. Phys. Letts., submitted.
- 15. R. L. Mills, P. Ray, B. Dhandapani, M. Nansteel, X. Chen, J. He, "Spectroscopic Identification of Transitions of Fractional Rydberg States of Atomic Hydrogen", Quantitative Spectroscopy and Energy Transfer, submitted.
- 16. R. L. Mills, P. Ray, B. Dhandapani, M. Nansteel, X. Chen, J. He, "New Power Source from Fractional Quantum Energy Levels of Atomic Hydrogen that Surpasses Internal Combustion", Spectrochimica Acta, Part A, submitted.
- 17. R. L. Mills, P. Ray, "Spectroscopic Identification of a Novel Catalytic Reaction of Rubidium Ion with Atomic Hydrogen and the Hydride Ion Product", Int. J. Hydrogen Energy, in press.
- 18. R. Mills, J. Dong, W. Good, P. Ray, J. He, B. Dhandapani, "Measurement of Energy Balances of Noble Gas-Hydrogen Discharge Plasmas Using Calvet Calorimetry", Int. J. Hydrogen Energy, in press.
- 19. R. L. Mills, A. Voigt, P. Ray, M. Nansteel, B. Dhandapani, "Measurement of Hydrogen Balmer & Line Broadening and Thermal Power Balances of Noble Gas-Hydrogen Discharge Plasmas", Int. J. Hydrogen Energy, in press.
- 20. R. Mills, P. Ray, "Vibrational Spectral Emission of Fractional-Principal-Quantum-Energy-Level Hydrogen Molecular Ion", Int. J. Hydrogen Energy, in press.
- 21. R. Mills, P. Ray, "Spectral Emission of Fractional Quantum Energy Levels of Atomic Hydrogen from a Helium-Hydrogen Plasma and the Implications for Dark Matter", Int. J. Hydrogen Energy, Vol. 27, No. 3, (2002) pp. 301-322.
- 22. R. Mills, P. Ray, "Spectroscopic Identification of a Novel Catalytic Reaction of Potassium and Atomic Hydrogen and the Hydride Ion Product", Int. J. Hydrogen Energy, Vol. 27, No. 2, (2002), pp. 183-192.
- 23. R. Mills, "BlackLight Power Technology-A New Clean Hydrogen Energy Source with the Potential for Direct Conversion to Electricity", Proceedings of the National Hydrogen Association, 12 th Annual U.S. Hydrogen Meeting and Exposition, Hydrogen: The Common Thread, The Washington Hilton and Towers, Washington DC, (March 6-8, 2001), pp. 671-697.



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In re PATENT APPLICATION of Inventor(s)Mills

Appln. Nos. 09/362,693 and 09/009,455

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